

**APPENDIX A**

40. **(Amended)** An expression vector comprising a liver-specific promoter and a liver-specific enhancer, said promoter and enhancer being derived from different genes, wherein the liver-specific promoter is the human thyroid binding globulin promoter.
41. The expression vector of claim 40, wherein the promoter and enhancer are located upstream from the coding sequence of a gene.
42. The expression vector of claim 41, wherein the coding sequence is expressed as a  $\beta$ -domain deleted human Factor VIII protein.
44. The expression vector of claim 40, wherein the liver-specific enhancer is the alpha-1 microglobulin/bikunin enhancer.
45. The expression vector of claim 41 further comprising one or more introns located (a) downstream from the promoter and enhancer and (b) upstream from the coding sequence.
46. The expression vector of claim 45, wherein the intron is located within the leader sequence of the gene.
47. The expression vector of claim 45, wherein the intron comprises one or more consensus splice sites.
48. The expression vector of claim 46, wherein the leader sequence has no secondary structure when transcribed as RNA.
49. The expression vector of claim 41, wherein the 3' untranslated region of the gene is modified to increase processing, export or stability of the mRNA transcribed from the gene.
50. An expression vector comprising the human thyroid binding globulin promoter and the alpha-1 microglobulin/bikunin enhancer.

51. The expression vector of claim 50 comprising two or more copies of the alpha-1 microglobulin/bikunin enhancer.

52. The expression vector of claim 50, wherein the human thyroid binding globulin promoter and the alpha-1 microglobulin/bikunin enhancer are located upstream from the coding sequence of a gene.

53. The expression vector of claim 52, wherein the coding sequence is also preceded upstream by a leader sequence comprising one or more introns.

54. The expression vector of claim 51 wherein the coding sequence is expressed as a  $\beta$ -domain deleted human Factor VIII protein.

55. The expression vector of claim 53, wherein the intron comprises a consensus 5' splice donor site, and a consensus 3' splice acceptor site.

56. The expression vector of claim 53, wherein the intron has no secondary structure when transcribed as RNA.

57. **(New)** An expression vector comprising a liver-specific promoter and a liver-specific enhancer, wherein said promoter and enhancer are derived from different genes and are located upstream from a coding sequence for a human Factor VIII protein.

58. **(New)** The expression vector of claim 57, wherein the coding sequence is expressed as a  $\beta$ -domain deleted human Factor VIII protein.

59. **(New)** The expression vector of claim 57, wherein the liver-specific promoter is the human thyroid binding globulin promoter

60. **(New)** The expression vector of claim 57, wherein the liver-specific enhancer is the alpha-1 microglobulin/bikunin enhancer.

61. **(New)** The expression vector of claim 57, further comprising one or more introns located (a) downstream from the promoter and enhancer and (b) upstream from the coding sequence.

62. (New) The expression vector of claim 61, wherein the intron is located within the leader sequence of the gene.
63. (New) The expression vector of claim 61, wherein the intron comprises one or more consensus splice sites.
64. (New) The expression vector of claim 62, wherein the leader sequence has no secondary structure when transcribed as RNA.
65. (New) The expression vector of claim 57, wherein the 3' untranslated region of the gene is modified to increase processing, export or stability of the mRNA transcribed from the gene.
66. (New) The expression vector of claim 57 comprising the human thyroid binding globulin promoter and the alpha-1 microglobulin/bikunin enhancer.
67. (New) The expression vector of claim 66 comprising two or more copies of the alpha-1 microglobulin/bikunin enhancer.
68. (New) The expression vector of claim 66, wherein the human thyroid binding globulin promoter and the alpha-1 microglobulin/bikunin enhancer are located upstream from the coding sequence of a gene.
69. (New) The expression vector of claim 68, wherein the coding sequence is also preceded upstream by a leader sequence comprising one or more introns.
70. (New) The expression vector of claim 69, wherein the intron comprises a consensus 5' splice donor site, and a consensus 3' splice acceptor site.
71. (New) The expression vector of claim 69, wherein the intron has no secondary structure when transcribed as RNA.